

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

RECEIVED
CENTRAL FAX CENTER
JUN 15 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Canceled
2. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3, and including:
 - (a) fasteners enabling attachment of said frame end members to said girders.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

3. (Currently Amended) A modular roof and floor panel assembly for connection with and spanning a pair of horizontally extending girders and comprising:
- (a) a plurality of structural members including a pair of elongated frame side members and a pair of elongated frame end members, each of said side members and end members having a planar side surface;
 - (b) said side members and said end members being joined at their ends to form a rectangular panel frame having substantially planar outer perimeter surfaces formed by said planar side surfaces of said members, said panel frame having a top side and a bottom side;
 - (c) a deck member secured to said top side and enclosing said frame; and
 - (d) a bracket member secured to one of said end members and extending outwardly therefrom for connecting said end member of said panel frame to one of said girders.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

4. (Previously Presented) A modular roof and floor panel assembly for connection with and spanning a pair of horizontally extending girders and comprising:
- (a) a plurality of structural members including a pair of elongated frame side members and a pair of elongated frame end members, each of said side members and end members having a planar side surface;
 - (b) said side members and said end members being joined at their ends to form a rectangular panel frame having substantially planar outer perimeter surfaces formed by said planar side surfaces of said members, said panel frame having a top side and a bottom side;
 - (c) a deck member secured to said top side and enclosing said frame;
 - (d) a T-shaped bracket formed by a bracket web having a first end and a second end and a pair of bracket flanges extend from said first end of said bracket web;
 - (e) said bracket having said second end of said bracket web adapted for joining to one of said girders; and
 - (f) said bracket flanges being fastened to one of said end members of said panel frame for joining said end member to one of said girders.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

5. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3, wherein:
- (a) said frame end members are adapted to enable connection with said girders; and
 - (b) said frame side members are adapted to enable connection with frame side members of additional panel assemblies.
6. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3 wherein:
- (a) said frame end members are adapted to enable connection with said girders; and
 - (b) said frame end members are further adapted to enable connection with frame end members of additional panel assemblies.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

7. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3, wherein:
- (a) said frame structural members have a generally C-shaped cross section, including an upper flange and a lower flange joined by a closed web; and
 - (b) each of said structural members is oriented and positioned on said frame to enable said web to form a portion of said substantially planar outer perimeter surface of said frame.
8. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3, wherein:
- (a) at least one of said frame structural members of a panel assembly has a tubular, rectangular cross section, including an upper wall and a lower wall joined by a pair of spaced apart side walls.
9. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3, wherein:
- (a) a plurality of said panels are joined together in side-by-side relation.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

10. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3 wherein:

(a) a plurality of said panels are joined together in end-to-end relation.

11. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3 wherein:

(a) a plurality of said panels are joined together in side-to-side and end-to-end relation.

12. (Previously Presented) The modular roof and floor panel assembly as set forth in claim 3, wherein:

(a) a generally rectangular framework is connected with a plurality of said side members in spanning relationship for supporting a roof top unit.

Appl No. 10/674,097

Amd. Dated June 15, 2007

Reply to Office Action of February 15, 2007

13. (Currently Amended) Modular roof and floor panel assemblies in combination with parallel, horizontally extending girders for connection therewith and spanning therebetween, each assembly comprising:
- (a) a plurality of structural members including a pair of elongated frame side members and a pair of elongated frame end members, each of said members having a planar side surface;
 - (b) said panel frame side members and said end members being joined at their ends to form a rectangular panel frame having substantially planar outer perimeter surfaces formed by said planar side surfaces of said members, said panel frame having a top side and a bottom side;
 - (c) a deck member secured to said top side of said frame and enclosing said frame;
 - (d) each panel assembly being positioned on a pair of adjacent girders and having first fasteners connecting end members thereof to said girders; and
 - (e) adjacent panel assemblies having adjacent end members thereof positioned on a same girder having said end members thereof connected by second fasteners.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

14. Canceled

15. Canceled

16. (Previously Presented) The assemblies as set forth in claim 13, wherein:

- (a) said frame side members are adapted to enable connection with frame side members of adjacent panel assemblies

17. (Previously Presented) The assemblies as set forth in claim 13, wherein:

- (a) said frame structural members have a generally C-shaped cross section, including an upper flange and a lower flange joined by a web; and
- (b) the webs are positioned on said frame to form said substantially planar outer perimeter surfaces of said frame.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

18. (Previously Presented) The assemblies as set forth in claim 13, wherein:
- (a) at least one of said frame structural members has a tubular, rectangular cross section, including an upper wall and a lower wall jointed by a pair of spaced apart, side walls.
19. (Original) The assemblies as set forth in claim 13, wherein:
- (a) a generally rectangular framework is connected with a plurality of said side members in spanning relationship for supporting a roof top unit.

Appl No. 10/674,097

Amd. Dated June 15, 2007

Reply to Office Action of February 15, 2007

20. (Currently Amended) A modular roof and floor panel system in combination with a pair of parallel, horizontally extending girders for connection therewith and spanning therebetween, said system comprising:

- (a) a plurality of rectangular panel frames, each frame including:
 - (1) a plurality of structural members including a pair of elongated frame side members and a pair of elongated frame end members, each of said structural members having a planar side surface;
 - (2) said side members and said end members being joined at their ends to form a rectangular panel frame having substantially planar outer perimeter surfaces formed by said planar side surfaces of said members, said panel frame having a top side and a bottom side;
- (b) a deck member secured to said top side of each frame and enclosing said frame;
- (c) said panel frames being joined to said girders by connection of end members of each panel frame respectively to said girders by means of a respective bracket member secured to each of said end members and extending outwardly therefrom; and
- (d) said panel frames being joined in side-by-side relation by mutual connection of facing side members of adjacent panel frames.

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

21. (Previously Presented) The system as set forth in claim 20, wherein:
- (a) said frame structural members have a generally C-shaped cross section, including an upper flange and a lower flange joined by a closed web; and
 - (b) each of said structural members is oriented and positioned on said frames to enable the webs of said structural members to form said substantially planar outer perimeter surface of each of said frames.

22. Canceled

23. Canceled

Appl No. 10/674,097
Amd. Dated June 15, 2007
Reply to Office Action of February 15, 2007

24. (Currently Amended) A method of assembling a roof and floor deck using a plurality of prefabricated roof and floor deck assemblies, comprising the steps of:
- (a) providing a plurality of prefabricated roof and floor deck assemblies, each assembly including a rectangular frame of elongated structural members, said frame including a pair of side members and a pair of end members and having a top side and a bottom side; said frame side members and end members each including a substantially planar outer perimeter surface; a respective bracket member secured to each of said end members and extending outwardly therefrom; and a deck member secured to said top side and enclosing said frame;
 - (b) lifting and positioning a first prefabricated roof and floor deck assembly on and spanning between a pair of existing girders;
 - (c) fastening each of said first assembly end members to a respective one of said pair of girders using the bracket members on said first assembly end members;
 - (d) lifting and positioning a second prefabricated roof and floor deck assembly on and spanning between said pair of existing girders in side-by-side relationship with said first assembly;

Appl No. 10/674,097

Amd. Dated June 15, 2007

Reply to Office Action of February 15, 2007

- (e) fastening each of said second assembly end members to a respective one of said girders using the bracket members on said second assembly end members; and
 - (f) fastening one of said first assembly side frame members with an adjacent one of said second assembly frame side members.
25. (Previously Presented) The method as set forth in claim 24, wherein:
- (a) said fastening steps of said first and second assembly end members and side members are performed from a position below said roof and floor deck assembly.
26. (Previously Presented) The method as set forth in claim 24, wherein said step of lifting and positioning further includes:
- (a) fastening a second prefabricated roof and floor deck assembly to and spanning between one of said pair of existing girders and an additional girder in end-to-end relationship with said first assembly.